

# Awards Made for Solicitation

## NIJ FY 12 Applied Research and Development in Forensic Science for Criminal Justice Purposes

Number of Awards: 24

Total Amount Awarded: \$9,550,515.00

Award Title	Awardee	Award Number	Award Amount	Location	Fiscal Year
Use of Novel Chemistry & Microwave Instrumentation to Improve Body Fluid Assay Sensitivity & Speed while Reducing Costs	City of New York, Office of Chief Medical Examiner	2012-DN-BX-K044	\$403,671.00	NY	2012
Transition Metal Cluster Compounds for the Fluorescent Identification and Trace Detection of Substances of Abuse	University of Central Florida	2012-R2-CX-K005	\$163,385.00	FL	2012
Familial DNA Database Search System-Hardware/Software Integration Project	City and County of Denver	2012-DN-BX-K036	\$447,979.00	CO	2012
Cloud Forensics Tool Prototyping	University of Rhode Island	2012-MU-CX-K002	\$499,791.00	RI	2012
A Multi-Modal Method for Determining the Postmortem Interval in Juvenile Remains and Assessing Skeletal Health	North Carolina State University	2012-DN-BX-K049	\$270,877.00	NC	2012
Pre-Extraction Separation of Mixed Source DNA Samples through Micromanipulation and Direct PCR Short Tandem Repeat Typing of Cells	City of New York, Office of Chief Medical Examiner	2012-DN-BX-K043	\$179,742.00	NY	2012
The Evaluation of Laser Diode Thermal Desorption (LDTD) for High Throughput Analysis of Controlled Substances and Toxicology in Forensic Sciences	Research Triangle Institute	2012-R2-CX-K004	\$331,494.00	NC	2012
Paper microfluidic systems for rapid and inexpensive presumptive detection of drugs and explosives	The Florida International University	2012-DN-BX-K048	\$180,224.00	FL	2012
Developmental Validation of a High-Specificity Multiplex Assay for Human Body Fluid Identification	Colorado Seminary, which owns the University of Denver	2012-DN-BX-K035	\$576,429.00	CO	2012
Improving the PDQ database to Enhance Investigative Lead Information from Automotive Parts	Oklahoma State University	2012-DN-BX-K059	\$439,842.00	OK	2012
The Interpretation of Patterned Injuries in Medicolegal Death Investigation	East Carolina University	2012-DN-BX-K053	\$377,480.00	NC	2012
Development of a turnkey analytical system for the forensic comparison and identification of fiber dyes on casework-sized fibers	Microtrace LLC	2012-DN-BX-K042	\$501,920.00	IL	2012
Improved Detection of Synthetic Cathinones ("Bath Salts") in Forensic Toxicology Samples	Sam Houston State University	2012-R2-CX-K003	\$190,227.00	TX	2012
Development of Reference Sample DNA Profiling for Databases Using Next Generation Sequencing Technologies	University of North Texas Health Science Center	2012-DN-BX-K033	\$747,797.00	TX	2012
Advanced Research in Microspectrophotometry of Fibers: Analysis and Interpretation	Microtrace LLC	2012-DN-BX-K040	\$248,069.00	IL	2012
Brass Board Forensic Crime Scene Survey Camera	Teledyne Scientific & Imaging, LLC	2012-DN-BX-K046	\$409,774.00	CA	2012
Development and Validation of a New Pediatric Head Injury Assessment Tool for Possible Child Abuse Cases Considering Subject-Specific Child Head Anatomy	The Regents of the University of Michigan	2012-DN-BX-K045	\$549,859.00	MI	2012
Proximity Ligation Real time PCR for the Detection of Spermatozoa	The George Washington University	2012-DN-BX-K034	\$263,313.00	DC	2012

Award Title	Awardee	Award Number	Award Amount	Location	Fiscal Year
Establishing Exclusion Criteria and the Significance of Inclusion for Complex Low-Template DNA Mixtures	Trustees of Boston University, BUMC	2012-DN-BX-K050	\$598,765.00	MA	2012
Sensitive site exploitation through trace chemical analysis of latent fingerprints (SETCAF)	George Mason University	2012-DN-BX-K038	\$517,442.00	VA	2012
Exploitation of Very Small Particles to Enhance the Probative Value of Carpet Fibers	Stoney Forensic, Inc.	2012-DN-BX-K041	\$399,734.00	VA	2012
Applied Research and Development of a Three-dimensional Topography System for Firearm Identification using GelSight	Cadre Research Labs, LLC	2012-DN-BX-K058	\$200,000.00	MA	2012
Molecular Tools for Low-Template DNA Analysis	General Electric Company	2012-DN-BX-K047	\$511,435.00	NY	2012
Genome-Wide Forensic DNA Analysis	University of Utah	2012-DN-BX-K037	\$541,266.00	UT	2012